

K.A.R. 4-15-10. Pest freedom standards. (a) As used in this regulation, "incidence" shall mean the prevalence of a plant pest on a group of plants, expressed as the percentage of plants affected. For insects and arachnids, the incidence tolerance limit shall include all visible life stages. The word "damage" shall mean the degree of harm to a plant part caused by a plant pest, expressed as the percentage of plant tissue damaged.

(b) All plant pests shall be prohibited entry into Kansas except as follows. Infestation levels for the pests listed below shall not exceed the tolerance limits shown for each pest.

(1) INSECTS and ARACHNIDS

| Common Name | Scientific Name | Tolerance Limits (maximum) | |
|---------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | | Incidence | Damage |
| an aphid | <i>Capitophorus</i> spp. | < 75% | < 25% |
| an aphid | <i>Myzus hemerocallis</i> | < 75% | < 25% |
| ash plant bug | <i>Tropidosteptes amoenus</i> | < 75% | < 25% |
| ash/lilac borer | <i>Podosesia syringae</i> | < 1% | - |
| bagworm | <i>Thyridopteryx ephemeraeformis</i> | < 75% | < 25% |
| Banks grass mite | <i>Oligonychus pratensis</i> | < 25% | - |
| cotton/melon aphid | <i>Aphis gossypii</i> | < 75% | < 25% |
| dark-winged fungus gnats Family | Sciaridae | < 75% | < 25% |
| elm leaf beetle | <i>Pyrrhalta luteola</i> | < 75% | < 25% |
| euonymus scale | <i>Unaspis euonymi</i> | < 1% | - |
| European pine shoot moth | <i>Rhyacionia buoliana</i> | < 1% | - |
| fall webworm | <i>Hyphantria cunea</i> | < 75% | < 25% |
| flat-headed apple tree borer | <i>Chrysobothris femorata</i> | < 1% | - |
| Fletcher scale | <i>Lecanium fletcheri</i> | < 75% | - |
| fungus gnats | Family Mycetophilidae | < 75% | < 25% |
| foxglove aphid | <i>Aulacorthum solani</i> | < 75% | < 25% |
| green peach aphid | <i>Myzus persicae</i> | < 75% | < 25% |
| greenhouse whitefly | <i>Trialeurodes vaporariorum</i> | < 25% | - |
| hawthorn lace bug | <i>Corythucha cydoniae</i> | < 75% | < 25% |
| honey locust borer | <i>Agrilus difficilis</i> | < 1% | - |
| honeysuckle aphid | <i>Hyadaphis tataricae</i> | < 75% | < 25% |
| iris borer | <i>Macronoctua onusta</i> | < 1% | - |
| Japanese beetle | <i>Popillia japonica</i> | Certification under the U.S. domestic Japanese beetle harmonization plan, September 5, 2000, published by the national plant board, shall be required. | |
| locust borer | <i>Megacyllene robiniae</i> | < 1% | - |
| maple bladdergall mite | <i>Vasates quadripedes</i> | < 75% | < 25% |
| mimosa webworm | <i>Homadaula anisocentra</i> | < 75% | < 25% |
| oak red mite | <i>Oligonychus bicolor</i> | < 75% | < 25% |
| obscure scale | <i>Melanaspis obscura</i> | < 1% | - |
| oystershell scale | <i>Lepidosaphes ulmi</i> | < 1% | - |
| painted hickory borer | <i>Megacyllene caryae</i> | < 1% | - |
| peach tree borer | <i>Synanthedon exitiosa</i> | < 1% | - |
| pine bark adelgid | <i>Pineus strobi</i> | < 1% | - |
| pine needle scale | <i>Chionaspis pinifoliae</i> | < 1% | - |
| pine tortoise scale | <i>Toumeyella parvicornis</i> | < 1% | - |
| potato aphid | <i>Macrosiphum euphorbiae</i> | < 75% | < 25% |
| round-headed apple tree borer | <i>Saperda candida</i> | < 1% | - |
| shore flies | Family Ephydriidae | < 75% | < 25% |
| spirea aphid | <i>Aphis spiraeicola</i> | < 75% | < 25% |
| spruce spider mite | <i>Oligonychus ununguis</i> | < 75% | < 25% |
| sweet potato whitefly | <i>Bemisia tabaci</i> | < 25% | - |
| tobacco thrips | <i>Frankliniella fusca</i> | < 75% | < 25% |
| two-spotted spider mite | <i>Tetranychus urticae</i> | < 25% | - |
| water lily aphid | <i>Rhopalosiphum nymphaeae</i> | < 75% | < 25% |
| western flower thrips | <i>Frankliniella occidentalis</i> | < 75% | < 25% |
| winged euonymus scale | <i>Lepidosaphes yanagicola</i> | < 1% | - |

(2) DISEASES and NEMATODES

| Common Name | Scientific Name | Tolerance Limits (maximum) | |
|----------------------------|--------------------------------------------------------|----------------------------|--------|
| | | Incidence | Damage |
| apple scab | <i>Venturia inaequalis</i> | < 75% | < 25% |
| bacterial wilt of geranium | <i>Xanthomonas campestris</i> pv. <i>pelargonii</i> | < 1% | - |
| black knot | <i>Apiosporina morbosa</i> | < 25% | - |
| black spot of rose | <i>Diplocarpon rosae</i> | < 75% | < 25% |
| brown spot of pine | <i>Scirrhia acicola</i> | < 75% | < 25% |
| cedar-apple rust | <i>Gymnosporangium</i> <i>juniperi-virginianae</i> | < 75% | < 25% |
| cedar-quince rust | <i>Gymnosporangium clavipes</i> | < 1% | - |

| | | | |
|-------------------------------|-------------------------------------------------------------------|-------|-------|
| crown gall | <i>Agrobacterium tumefaciens</i> | < 1% | - |
| Cyclaneusma needle cast | <i>Cyclaneusma minus</i> and <i>C. niveus</i> | < 75% | < 25% |
| Diplodia tip blight | <i>Sphaeropsis sapinea</i> | < 1% | - |
| Dothistroma needle blight | <i>Dothistroma pini</i> | < 75% | < 25% |
| fire blight | <i>Erwinia amylovora</i> | < 1% | - |
| gall rusts of pine | <i>Cronartium</i> spp. and <i>Endocronartium</i> spp. | < 1% | - |
| gray mold | <i>Botrytis cinerea</i> | < 25% | - |
| hawthorn rust | <i>Gymnosporangium globosum</i> | < 75% | < 25% |
| Impatiens necrotic spot virus | - | < 1% | - |
| iris leaf spot | <i>Didymellina macrospora</i> | < 75% | < 25% |
| Kabatina blight of juniper | <i>Kabatina juniperi</i> | < 25% | - |
| oak wilt | <i>Ceratocystis fagacearum</i> | < 1% | - |
| perennial Nectria canker | <i>Nectria galligena</i> | < 1% | - |
| Phomopsis blight | <i>Phomopsis juniperovora</i> | < 25% | - |
| Phytophthora root rot | <i>Phytophthora</i> spp. | < 1% | - |
| pine wilt nematode | <i>Bursaphelenchus xylophilus</i> | < 1% | - |
| Pseudomonas blight | <i>Pseudomonas syringae</i> pv. <i>syringae</i> | < 25% | - |
| Pythium root rot | <i>Pythium</i> spp. | < 25% | - |
| Rhizoctonia root rot | <i>Rhizoctonia solani</i> | < 25% | - |
| Rhizospheara needle cast | <i>Rhizospheara kalkhoffi</i> | < 1% | - |
| root knot nematodes (all) | <i>Meloidogyne</i> spp. | < 1% | - |
| Septoria leaf spot of poplar | <i>Mycosphaerella populorum</i> | < 75% | < 25% |
| Septoria stem canker | <i>Mycosphaerella populorum</i> | < 1% | - |
| sycamore anthracnose | <i>Gnomonia platani</i> | < 75% | < 25% |
| tar spot of maple | <i>Rhytisma acerinum</i> | < 75% | < 25% |
| Thievalopsis root rot | <i>Thievalopsis basicola</i> | < 25% | - |
| Tomato spotted wilt virus | - | < 1% | - |
| Verticillium wilt | <i>Verticillium albo-atrum</i> and <i>Verticillium dahliae</i> | < 1% | - |

(c) The standards published by the national plant board on September 5, 2000 and titled "U. S. domestic Japanese beetle harmonization plan" are hereby adopted by reference. A copy of this plan shall be available from the plant protection and weed control program of the Kansas department of agriculture.